Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/29/2021 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124560	-1	1.13	124455	1.12
Blue	F	SSC	125000	124145	-1	2.14	124457	1.99
Blue	E	FITC	13131	12680	-4	2.18	292	15.76
Blue	D	PE	24112	23744	-2	1.58	544	10.78
Blue	B	PerCP-Cy5-5	31295	30453	-3	2.91	1009	14.56
Blue	A	PE-Cy7	19939	19614	-2	5.15	519	29.89
Red	C	APC	42122	41418	-2	2.87	1737	11.21
Red	A	APC-Cy7	22340	21574	-4	3.23	805	11.65
Violet	B	V450	7410	7125	-4	3.38	429	12.50
Violet	A	V500	28118	26863	-5	3.01	667	9.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22941	0.93	570	1	N/A	N/A	Pass
Blue	F	SSC	57795	0.99	521	9	N/A	N/A	Pass
Blue	E	FITC	55	53.22	488	1	0.0392	69	Pass
Blue	D	PE	114	38.44	491	3	0.4609	406	Pass
Blue	B	PerCP-Cy5-5	188	36.79	587	1	0.0200	109	Pass
Blue	A	PE-Cy7	104	70.12	630	2	0.0211	3	Pass
Red	C	APC	403	24.11	578	2	0.0296	264	Pass
Red	A	APC-Cy7	181	26.87	553	2	0.0062	731	Pass
Violet	B	V450	60	62.17	461	8	0.0585	2028	Pass
Violet	A	V500	97	35.58	472	7	0.0276	1194	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.88	-31.76	0.98
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	14.74	13.60 - 20.40	N/A	N/A	30.18	30.29	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9730

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments